CLASS VI INJECTION ZONE PROPERTIES

INJECTION WELL 357-7R 40 CFR 146.82(c)(4),(7) and 146.87(b)-(d)

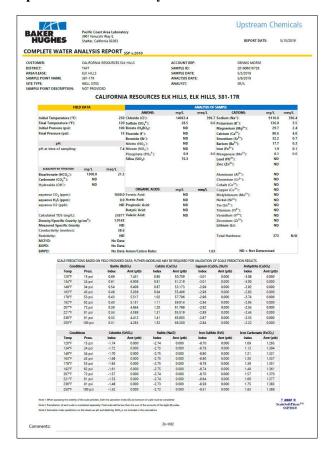
ELK HILLS A1-A2 PROJECT

Injection Zone Chemical and Physical Properties

Water Geochemistry

Produced water geochemistry shows that injection zone total dissolved solids are 24,000 -25,000 milligrams per liter (Figure 1). The Monterey Formation A1-A2 reservoir is depleted due to oil and gas production and has a low current water saturation. As such, the water sample shown in Figure 1 was taken from a sand directly underneath the Monterey Formation A1-A2 reservoir.

Figure 1: Water analysis report for the Monetary Formation reservoir from well 381-17R.



Reservoir Pressure

Monterey Formation A1-A2 reservoir pressure taken by a wireline formation pressure testing tool in well 364X-7R is shown in Figure 2. Final wireline pressure is plotted numerically in the Microlog track showing pressure between 200 - 300 PSI. The location of well 364X-7R is shown in Figure 4.

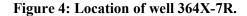
GR - Caliper - SP Depth Microlog - Dev Resistivity Porosity XCURVES:XGR (api) XCURVES:XRHOB (gm/cc) DEPTH XCURVES:XRESS XCURVES:XMINV (FT) XCURVES:XCAL (in) XCURVES:XRESM XMNOR XCURVES:XNPHIS (dec) PERF 0.2 ----- 200. XCURVES:XBS (in) XCURVES:XRESD PRESS:PRESS XCURVES: XPEF (B/E) (Psi) XCURVES:XSP (mV) TFORM XCURVES:XDRHO (gm/cc) Mudcake -0.1 -----(DEGF) Washout Mudcake Separation 268 268 8600 267 274 251 8700 275 276 275 8800 271 A2 NWS 252 251 251 251

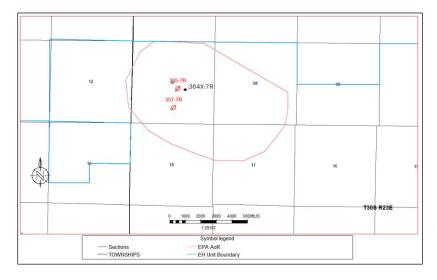
Figure 2: Monterey Formation A1-A2 pressure from well 364X-7R.

Below (Figure 3) is an example build-up test from well 364X-7R taken at 8578.86 feet measured depth in the Monterey Formation A1-A2 reservoir. The location of well 364X-7R is shown in Figure 4.

Pressure vs. Time Plot Run No:ONE Test No:64 Probe MD:8578.86ft Probe TVD:8563.27ft 22-FEB-2014 Occidental of Elk Hills Inc. Elk Hills ConPr_R3Sta39_8578.86ft_S013_FBST_DSLT_SGT_HRLT_HDRS_HGNS CP_SAP(psi), Sapphire Pressure with Dynamic Compensation
■■■ CP_HYD(psi), Hydrostatic Sapphire Pressure with Dynamic Compensation 6500 6000 5500 5000 4500 4000 3500 ans 3000 2500 2000 1500 1000 - 10 500

Figure 3: Pressure build-up test for the Monterey Formation A1-A2 reservoir in well 364X-7R.





Fracture Gradient

A fracture gradient of 0.97 PSI per foot at 9,428 feet measured depth was acquired in well 327-7R-RD1 (Figure 5). The 327-7R-RD1 well location is shown on the map in Figure 6.

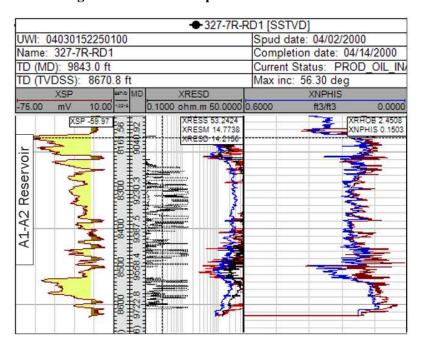


Figure 5: A fracture gradient of 0.97 PSI per foot was measured in well 327-7R-RD1.

